

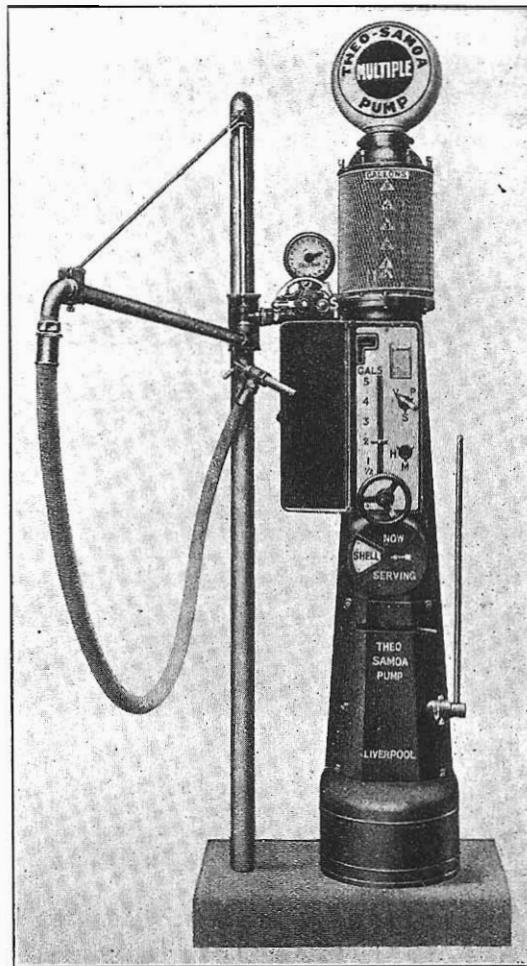
121
12/1/31
W
FOR OFFICIAL USE.

(653)

WEIGHTS AND MEASURES ACT, 1904.

NOTICE OF EXAMINATION OF PATTERN No. 653.

SUBMITTED BY MESSRS. THEO & Co., LTD., 32, TARLETON STREET,
LIVERPOOL.



The Board of Trade have examined and tested, with reference to the material of which and the principle on which it is constructed, a pattern of a liquid measuring instrument for delivering in quantities of 5, 4, 3, 2, 1 and $\frac{1}{2}$ gallons of the form illustrated in Notices Nos. 567 and 474 modified as shown herein, which has been submitted to the Department under the provisions of Section 6 of the above Act, and have issued a Certificate No. 540 dated 16th December, 1930, that the pattern is not such as to facilitate the perpetration of fraud when used for the measurement of petrol and other liquids of low viscosity.

Board of Trade, Standards Department, Old Palace Yard,
Westminster, S.W.1.

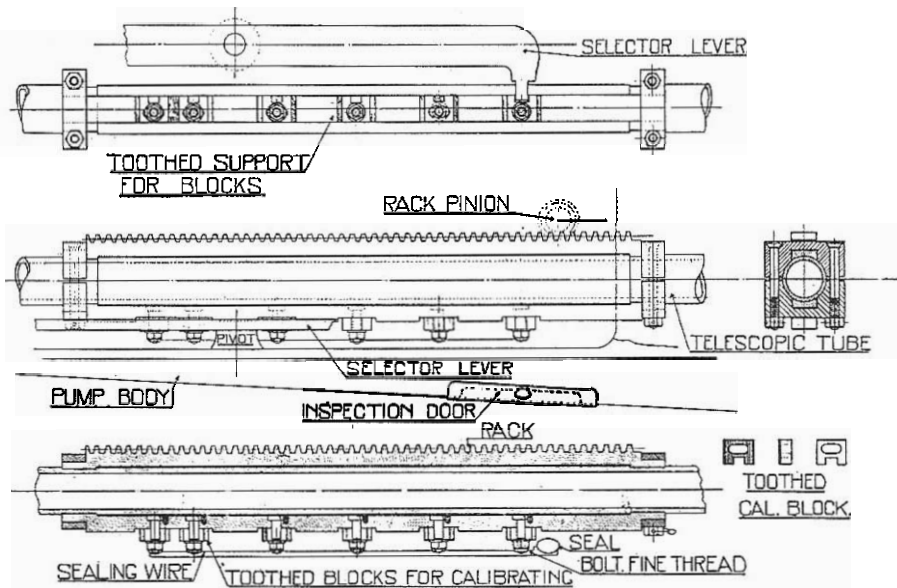
July, 1931.

53-9999

[P.T.O.]

moves over a circular dial graduated to indicate up to 10 gallons by $\frac{1}{2}$ gallons. The pointer can be returned to zero by means of a knurled knob. The serve valve which rotates the interrupted toothed wheel can only be rotated in one direction as it is actuated by a lever fitted with teeth cut in one direction only.

(3) The ordinary method of calibrating the instrument by means of displacement discs is still retained for fine adjustment, but a method of preliminary calibration has now been incorporated. This consists of separating the notches from the rack that operates the telescopic tube and placing them on a bar on the opposite side of this rack. This rack is clamped to the telescopic tube by the same bolts that secure the rack. The notches are cut in separate metal blocks which are secured to the bar by bolts and nuts.



These metal blocks are serrated and the serrations engage similar serrations cut in the bar. A hole is drilled through each nut and bolt end to take a sealing wire which is sealed with one seal. The wire is threaded through the nuts and bolts in a direction such that slackening a nut will break the wire. The sealing wire and seal may be inspected through a small aperture 4" x 3" cut in the casing. A spring loaded hinged cover plate is provided for this aperture.

The metering box on this instrument is not sealed.

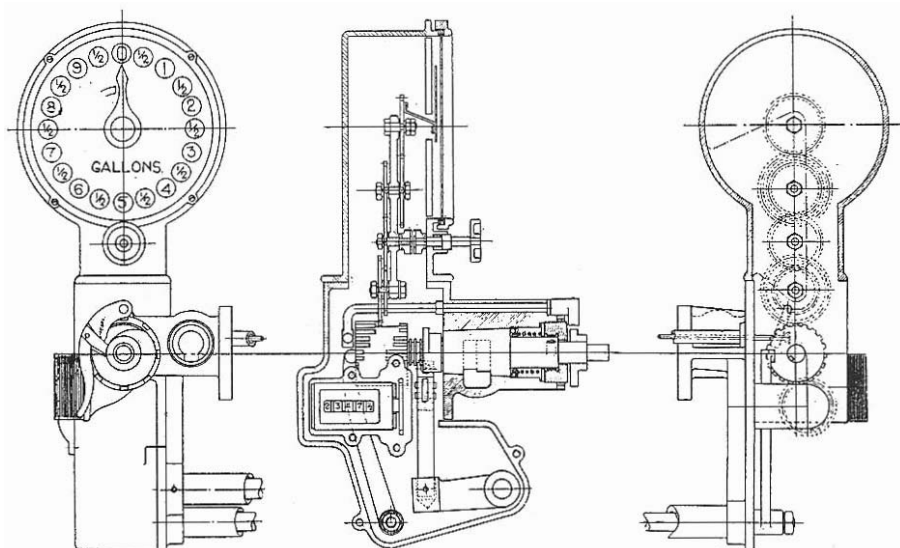
DESCRIPTION.

This pattern is a liquid measuring instrument of the subdivided container type and is a modification of the pattern referred to in Notice No. 567 as illustrated in Notices Nos. 474 and 567.

The modifications are as follows:—

(1) A downward sloping swing arm has been fitted.

(2) An individual sales indicator complying with the requirements of the Measuring Instruments (Liquid Fuel and Lubricating Oil) Regulations, 1929, has been incorporated as an addition to the proprietor's totaliser described in Notice No. 567.



(3) A preliminary calibrating device has been incorporated.

(1) The downward sloping swing arm is arranged to swivel in a joint provided with a packed gland that is securely bolted to an adjacent vertical support. This joint is connected to the discharge pipe of the instrument adjacent to the serve valve and sight glass. The outer end of the swing arm is stayed to the top of the vertical support by means of a tie rod.

(2) The individual sales indicator and proprietor's totaliser are mounted on the control box directly over the serve valve. The details of the mechanism are as shown in Notice No. 567 with the exception that a train of gears connects with a pointer that

Notes for the guidance of Inspectors of Weights and Measures.

The Board have sanctioned as modifications of certified patterns within the meaning of No. 9 of the Measuring Instruments (Liquid Fuel and Lubricating Oil) Regulations, 1929 :—

(a) the fitting of the form of swing arm described in this notice to any certified pattern of liquid measuring instrument of the container type;

(b) the instrument described in this Notice but having an ordinary hose connection substituted for the swing arm attachment.

LONDON:

PRINTED AND PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE.

To be purchased directly from H.M. STATIONERY OFFICE at the following addresses:
Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh;
York Street, Manchester; 1, St. Andrew's Crescent, Cardiff;
15, Donegall Square West, Belfast;
or through any Bookseller.

1931.

Price 3d. Net.

(10451—27) Wt. 3715 0883/264 800 7/31 P. St. G. 8/9